

Certificate of Analysis

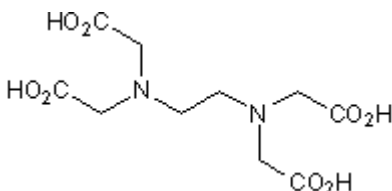
www.tocris.com

Product Name: EDTA
CAS Number: 60-00-4
IUPAC Name: *N,N*-1,2-Ethanediyldis[*N*-(carboxymethyl)]glycine

Catalog No.: 2811
Batch No.: 1
EC Number: 200-449-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₀H₁₆N₂O₈
Batch Molecular Weight: 292.24
Physical Appearance: White solid
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

www.tocris.com

Product Name: EDTA
CAS Number: 60-00-4
IUPAC Name: *N,N*-1,2-Ethanediy**l**bis[*N*-(carboxymethyl)]glycine

Catalog No.: 2811
Batch No.: 1
EC Number: 200-449-4

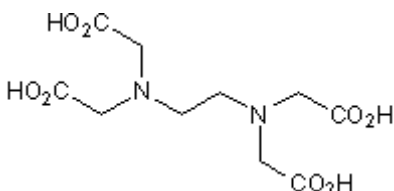
Description:

Chelating agent; sequesters di- and trivalent metal ions.

Physical and Chemical Properties:

Batch Molecular Formula: C₁₀H₁₆N₂O₈
 Batch Molecular Weight: 292.24
 Physical Appearance: White solid

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

Note on solubility: this product is soluble in water at room temperature up to 5mM (approx. 1.5mg/ml). The pH of this solution will be approximately 3 to 3.5. However, this compound becomes much more soluble as the pH increases. This can be achieved by gradual addition of a concentrated solution of aqueous sodium hydroxide. The solubility at pH 9 is >100mM.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Tandogan and Ulusu (2007) The inhibition kinetics of yeast glutathione reductase by some metal ions. *J.Enz.Inhib.Med.Chem.* **22** 489.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com
 info@bio-techne.com
 techsupport@bio-techne.com

North America
 Tel: (800) 343 7475

China
 info.cn@bio-techne.com
 Tel: +86 (21) 52380373

Europe Middle East Africa
 Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
 Tel:+1 612 379 2956